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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				<i>Application Number</i>	10/660,998
				<i>Filing Date</i>	9/12/2003
				<i>First Named Inventor</i>	David Ecker
				<i>Art Unit</i>	1637
				<i>Examiner Name</i>	Suryaprabha Chanduru
<i>Sheet</i>	1	of	25	<i>Attorney Docket Number</i>	DIBIS-0002US.P5

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US 5,436,129	07/25/95	Stapleton	
		US 5,451,500	09/19/95	Stapleton	
		US 5,484,908	01/16/96	Froehler et al.	
		US 5,502,177	03/26/96	Matteucci et al.	
		US 5,503,980	04/02/96	Cantor	
		US 5,523,217	06/04/96	Lupski et al.	
		US 5,527,675	06/18/96	Coull et al.	
		US 5,567,587	10/22/96	Kohne	
		US 5,580,733	12/03/96	Levis et al.	
		US 5,625,184	04/29/97	Vestal et al.	
		US 5,645,985	07/08/97	Froehler et al.	
		US 5,686,242	11/11/97	Bruice et al.	
		US 5,700,642	12/23/97	Monforte et al.	
		US 5,707,802	01/13/98	Sandhu et al.	
		US 5,727,202	03/10/98	Kucala	
		US 5,745,751	04/28/98	Nelson et al.	
		US 5,759,771	06/02/98	Tilanus	
		US 5,763,169	06/09/98	Sandhu et al.	
		US 5,763,588	07/09/98	Matteucci et al.	
		US 5,770,367	06/23/98	Southern et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		DE 19802905	07/29/99	Bruker Daltonik		
		DE 19824280	12/02/99	Bruker Daltonik		
		DE 19852167	05/31/00	Bruker-Saxonia		
		EP 1138782	02/05/03	Bruker-Saxonia		
		EP 1234888	01/02/04	Bruker Daltonik		
		EP 1333101	08/06/03	Bruker Daltonik		
		GB 2325002	11/11/98	Bruker Franzen		
		GB 2339905	02/09/00	Bruker Daltonik		
		WO 92/008117	05/14/92	Tilanus		
		WO 93/003186	02/18/93	Hoffman LaRoche		

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				<i>Art Unit</i>	1637
				<i>Examiner Name</i>	Suryaprabha Chanduru
Sheet	2	of	25	<i>Attorney Docket Number</i>	DIBIS-0002US.P5

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		Number - Kind Code ² (if known)			
		US 5,777,324	07/07/98	Hillenkamp	
		US 5,830,653	11/03/98	Froehler et al.	
		US 5,830,655	11/03/98	Monforte et al.	
		US 5,832,489	11/03/98	Kucala	
		US 5,851,765	12/22/98	Koster	
		US 5,864,137	01/26/99	Becker et al.	
		US 5,869,242	02/09/99	Kamb	
		US 5,871,697	02/16/99	Rothberg et al.	
		US 5,876,936	03/02/99	Ju	
		US 5,928,906	07/27/99	Koster	
		US 5,976,798	11/02/99	Parker et al.	
		US 5,981,176	11/09/99	Wallace	
		US 5,981,190	11/09/99	Israel	
		US 5,994,066	11/30/99	Bergeron et al.	
		US 6,001,564	12/14/99	Bergeron et al.	
		US 6,005,096	12/21/99	Matteucci et al.	
		US 6,007,992	12/28/99	Lin et al.	
		US 6,018,713	01/25/00	Coli et al.	
		US 6,028,183	02/22/00	Lin et al.	
		US 6,046,005	04/04/00	Ju	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 93/008297	04/29/93	Baylor Cllg of Med.		
		WO 94/016101	07/21/94	Sequenom-Koster		
		WO 94/021822	09/29/94	Sequenom-Koster		
		WO 95/004161	02/09/95	Pena et al.		
		WO 95/013396	05/18/95	U-Gene Research		
		WO 96/029431	09/26/96	Sequenom		
		WO 96/032504	10/17/96	Boston Univ.		
		WO 96/037630	11/28/96	SRI Int.		
		WO 98/003684	01/29/98	Hybridon Inc.		
		WO 98/014616	04/09/98	Perseptive Bio.		

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				First Named Inventor	David Ecker
				Art Unit	1637
				Examiner Name	Suryaprabha Chanduru
Sheet	3	of	25	Attorney Docket Number	DIBIS-0002US.P5

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		Number - Kind Code ² (if known)			
		US 6,051,378	04/18/00	Monforte et al.	
		US 6,054,278	04/25/00	Dodge et al.	
		US 6,055,487	04/25/00	Margery et al.	
		US 6,061,686	05/09/00	Gauvin et al.	
		US 6,074,823	06/13/00	Koster	
		US 6,074,831	06/13/00	Yakhini et al.	
		US 6,090,558	07/18/00	Butler et al.	
		US 6,104,028	08/15/00	Hunter et al.	
		US 6,111,251	08/29/00	Hillenkamp	
		US 6,140,053	10/31/00	Koster	
		US 6,146,144	11/14/00	Fowler et al.	
		US 6,153,389	11/28/00	Haarer et al.	
		US 6,159,681	12/12/00	Zebala	
		US 6,180,339	01/30/01	Sandhu et al.	
		US 6,180,372	01/30/01	Franzen	
		US 6,194,144	02/27/01	Koster	
		US 6,197,498	03/06/01	Koster	
		US 6,218,118	04/17/01	Sampson et al.	
		US 6,221,587	04/24/01	Ecker et al.	
		US 6,221,601	04/24/01	Koster et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 98/015652	04/16/98	Brax Genomics		
		WO 98/020020	05/14/98	Sequenom Inc.		
		WO 98/020157	05/14/98	Infect. Diagnostic		
		WO 98/026095	06/18/98	GeneTrace Systems		
		WO 98/031830	07/23/98	Brax Genomics		
		WO 98/040520	09/17/98	Hybridon Inc.		
		WO 99/005319	02/04/99	Rapigene		
		WO 99/012040	03/11/99	Sequenom		
		WO 99/029898	06/17/99	Max-Planck-Gesell.		
		WO 99/057318	11/11/99	Hillenkamp		

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Sheet	4	of	25	Attorney Docket Number	DIBIS-0002US.P5

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		Number - Kind Code ² (if known)			
		US 6,221,605	04/24/01	Koster	
		US 6,225,450	05/01/01	Koster	
		US 6,235,476	05/22/01	Bergmann et al.	
		US 6,235,478	05/22/01	Koster	
		US 6,235,480	05/22/01	Shultz et al.	
		US 6,238,871	05/29/01	Koster	
		US 6,238,927	05/29/01	Abrams et al.	
		US 6,258,538	07/10/01	Koter et al.	
		US 6,265,716	07/24/01	Hunter et al.	
		US 6,268,129	07/31/01	Gut et al.	
		US 6,268,131	07/31/01	Kang et al.	
		US 6,268,144	07/31/01	Koster	
		US 6,268,146	07/31/01	Shultz	
		US 6,270,973	08/07/01	Lewiz et al.	
		US 6,270,974	08/07/01	Shultz et al.	
		US 6,277,573	08/21/01	Koster et al.	
		US 6,277,578	08/21/01	Shultz et al.	
		US 6,300,076	10/09/01	Koster	
		US 6,303,297	10/16/01	Lincoln et al.	
		US 6,312,893	11/06/01	Van Ness et al.	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 01/007648	02/01/01	Artus Gesellschaft		
		WO 01/023604	04/05/01	Infectio Diagnostic		
		WO 01/032930	05/10/01	Cal. Inst. Tech.		
		WO 01/051661	07/19/01	Amsterdam Supp.		
		WO 01/057263	08/09/01	Advion Biosciences		
		WO 01/057518	08/09/01	Goodnough		
		WO 01/073199	10/04/01	Ct. Applic. Mol.		
		WO 02/010186	02/07/02	Cal. Inst. Tech.		
		WO 02/010444	02/07/02	Univ. Sydney		
		WO 02/018641	03/07/02	Gemini Genomics		

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		US 6,312,902	11/06/01	Shultz et al.	
		US 6,322,970	11/27/01	Little et al.	
		US 6,361,940	03/26/02	Van Ness et al.	
		US 6,372,424	04/16/02	Brow et al.	
		US 6,389,428	05/14/02	Rigault et al.	
		US 6,391,551	05/21/02	Shultz et al.	
		US 6,393,367	05/21/02	Tang et al.	
		US 6,419,932	07/16/02	Dale	
		US 6,423,966	07/23/02	Hillenkamp et al.	
		US 6,428,955	08/06/02	Koster et al.	
		US 6,432,651	08/13/02	Hughes et al.	
		US 6,436,635	08/20/02	Fu et al.	
		US 6,436,640	08/20/02	Simmons et al.	
		US 6,458,533	10/01/02	Felder et al.	
		US 6,468,743	10/22/02	Romick et al.	
		US 6,468,748	10/22/02	Monforte et al.	
		US 6,475,143	11/05/02	Iliff	
		US 6,475,736	11/05/02	Stanton Jr.	
		US 6,479,239	11/12/02	Anderson et al.	
		US 6,500,621	12/31/02	Koster	

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		WO 02/021108	03/14/02	Large Scale Prot.		
		WO 02/022873	03/21/02	Gyllesten et al.		
		WO 02/050307	06/27/02	Chugai Seiyaku		
		WO 02/057491	07/25/02	Leland Stanford		
		WO 02/070664	09/12/02	Isis Pharma.		
		WO 02/077278	10/03/02	Cncl. Sci. Ind. Res.		
		WO 02/099034	12/12/02	Infect. Diagnostic		
		WO 03/002750	01/09/03	High Through. Gen.		
		WO 03/008636	01/30/03	Infectio Diagnostic		
		WO 03/016546	02/27/03	Whatman Inc.		

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		US 6,566,055	05/20/03	Monforte et al.	
		US 6,582,916	06/24/03	Schmidt et al.	
		US 6,589,485	07/08/03	Koster	
		US 6,602,662	08/05/03	Koster et al.	
		US 6,613,509	09/02/03	Chen	
		US 6,623,928	09/23/03	Van Ness et al.	
		US 6,682,889	01/27/04	Wang et al.	
		US 7,217,510	05/01/07	Ecker et al.	
		US 7,226,739	09/04/07	Ecker et al.	
		US 7,255,992	08/01/07	Ecker et al.	
		US 2002/0045178	04/18/02	Cantor et al.	
		US 2002/0137057	09/26/02	Wold et al.	
		US 2002/0138210	09/26/02	Wilkes et al.	
		US 2002/0150903	10/17/02	Koster et al.	
		US 2002/0150927	10/17/02	Matray et al.	
		US 2002/0168630	11/14/02	Fleming et al.	
		US 2003/0017487	01/23/03	Xue et al.	
		US 2003/0027135	02/06/03	Ecker et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 03/060163	07/24/03	Keygene N.V.		
		WO 03/088979	10/30/03	Univ. Montpellier		
		WO 03/093506	11/13/03	Renovo Limited		
		WO 03/097869	11/27/03	Con Cipio GmbH		
		WO 04/052175	06/24/04	Isis Pharma.		
		WO 05/053141	06/09/05	Sanken Electric		

Examiner Signature	Date Considered
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/660,998
				Filing Date	9/12/2003
				First Named Inventor	David Ecker
				Art Unit	1637
				Examiner Name	Suryaprabha Chanduru
				Attorney Docket Number	DIBIS-0002US.P5
Sheet	7	of	25		

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US 2003/0039976	02/27/03	Haff et al.	
		US 2003/0064483	04/03/03	Shaw et al.	
		US 2003/0073112	04/17/03	Zhang et al.	
		US 2003/0113745	06/19/03	Monforte et al.	
		US 2003/0124556	07/03/03	Ecker et al.	
		US 2003/0129589	07/10/03	Koster et al.	
		US 2003/0134312	07/17/03	Burgvone et al.	
		US 2003/0148284	08/07/03	Vision et al.	
		US 2003/0175695	09/18/03	Ecker et al.	
		US 2003/0175696	09/18/03	Ecker et al.	
		US 2003/0175697	09/18/03	Ecker et al.	
		US 2003/0175729	09/18/03	Van Eijk et al.	
		US 2003/0190605	10/09/03	Ecker et al.	
		US 2003/0194699	10/16/03	Lewis et al.	
		US 2003/0203398	10/30/03	Bramucci et al.	
		US 2003/0220844	11/27/03	Marmellos et al.	
		US 2004/0005555	01/08/04	Rothman et al.	
		US 2004/0038206	02/26/04	Zhang et al.	
		US 2004/0038234	02/26/04	Gut et al.	
		US 2004/0038385	02/26/04	Langlois et al.	

FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	
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				Application Number	10/660,998
				Filing Date	9/12/2003
				First Named Inventor	David Ecker
				Art Unit	1637
				Examiner Name	Suryaprabha Chanduru
				Attorney Docket Number	DIBIS-0002US.P5
Sheet	8	of	25		

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	
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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 5px 0;">(Use as many sheets as necessary)</p>				Complete if Known	
				<i>Application Number</i>	10/660,998
				<i>Filing Date</i>	9/12/2003
				<i>First Named Inventor</i>	David Ecker
				<i>Art Unit</i>	1637
				<i>Examiner Name</i>	Suryaprabha Chanduru
				<i>Attorney Docket Number</i>	DIBIS-0002US.P5
Sheet	9	of	25		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ALVES-SILVA, J. et al., "The Ancestry of Brazilian mtDNA Lineages," <i>Am. J. Hum. Genet.</i> (2000) 67:444-461.	
		ANDERSON et al., "Sequence and organization of the human mitochondrial genome," <i>Nature</i> (1981) 290:457-465.	
		ANDREASSON et al., "Mitochondrial Sequence Analysis for Forensic Identification Using Pyrosequencing Technology" <i>BioTechniques</i> (2002) 32:124-133.	
		Application Serial No: 09/798,007 Office Communication Mailed 04/16/02 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 06/20/02 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 11/06/02 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 01/08/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 01/31/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 02/27/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 05/20/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 07/11/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 09/22/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 11/19/03 (DIBIS-0002US)	

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)*

Sheet 10 of 25

Complete if Known

Application Number	10/660,998
Filing Date	9/12/2003
First Named Inventor	David Ecker
Art Unit	1637
Examiner Name	Suryaprabha Chanduru
Attorney Docket Number	DIBIS-0002US.P5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Application Serial No: 09/798,007 Office Communication Mailed 06/30/04 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 08/10/04 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 02/10/05 (DIBIS-0002US)	
		Application Serial No: 10/156,608 Office Communication Mailed 04/01/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 08/10/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 10/14/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 11/19/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 12/09/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 05/10/05 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 05/26/05 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 07/20/05 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 09/15/05 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 06/02/05 (DIBIS-0002US.D1) with associated Information Disclosure Statement filed 11/28/2005.	

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)*

Sheet 11 of 25

Complete if Known

Application Number	10/660,998
Filing Date	9/12/2003
First Named Inventor	David Ecker
Art Unit	1637
Examiner Name	Suryaprabha Chanduru
Attorney Docket Number	DIBIS-0002US.P5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Application Serial No: 10/660,997 Office Communication Mailed 03/13/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 05/26/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 09/18/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 11/21/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 04/26/07 (DIBIS-0002US.P2) with associated Information Disclosure Statement filed 02/20/2007	
		Application Serial No: 10/660,122 Office Communication Mailed 03/17/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 07/06/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 09/19/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 04/20/07 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 09/19/07 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 03/21/08 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,996 Office Communication Mailed 02/28/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 05/30/06 (DIBIS-0002US.P4)	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use as many sheets as necessary)*

Sheet 12 of 25

Complete if Known

Application Number	10/660,998
Filing Date	9/12/2003
First Named Inventor	David Ecker
Art Unit	1637
Examiner Name	Suryaprabha Chanduru
Attorney Docket Number	DIBIS-0002US.P5

NON PATENT LITERATURE DOCUMENTS

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		Application Serial No: 10/660,996 Office Communication Mailed 07/12/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 09/05/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 11/22/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 07/10/07 (DIBIS-0002US.P4) with associated Information Disclosure Statement filed 02/21/2007	
		Application Serial No: 11/331,978 Office Communication Mailed 11/15/07 (DIBIS-0002US.C8)	
		Application Serial No: 11/331,987 Office Communication Mailed 07/16/07 (DIBIS-0002US.C9)	
		Application Serial No: 11/331,987 Office Communication Mailed 10/22/07 (DIBIS-0002US.C9)	
		Application Serial No: 09/891,793 Office Communication Mailed 12/18/02 (DIBIS-0003US)	
		Application Serial No: 09/891,793 Office Communication Mailed 08/26/03 (DIBIS-0003US)	
		Application Serial No: 09/891,793 Office Communication Mailed 11/13/03 (DIBIS-0003US)	
		Application Serial No: 09/891,793 Office Communication Mailed 03/09/04 (DIBIS-0003US)	
		Application Serial No: 09/891,793 Office Communication Mailed 06/14/04 (DIBIS-0003US)	
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SignatureDate
Considered

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STATEMENT BY APPLICANT**

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Sheet 13 of 25

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Application Number	10/660,998
Filing Date	9/12/2003
First Named Inventor	David Ecker
Art Unit	1637
Examiner Name	Suryaprabha Chanduru
Attorney Docket Number	DIBIS-0002US.P5

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		Application Serial No: 09/891,793 Office Communication Mailed 11/20/06 (DIBIS-0003US)	
		Application Serial No: 10/754,415 Office Communication Mailed 03/13/06 (DIBIS-0003US.P2)	
		Application Serial No: 10/754,415 Office Communication Mailed 08/28/06 (DIBIS-0003US.P2)	
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Sheet 14 of 25

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Filing Date	9/12/2003
First Named Inventor	David Ecker
Art Unit	1637
Examiner Name	Suryaprabha Chanduru
Attorney Docket Number	DIBIS-0002US.P5

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		Application Serial No: 10/728,486 Office Communication Mailed 04/10/06 (DIBIS-0012US.P1)	
		Application Serial No: 10/728,486 Office Communication Mailed 07/27/06 (DIBIS-0012US.P1)	
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		Application Serial No: 10/728,486 Office Communication Mailed 01/17/08 (DIBIS-0012US.P1)	
		Application Serial No: 10/418,514 Office Communication Mailed 09/29/05 (DIBIS-0035US)	
		Application Serial No: 10/418,514 Office Communication Mailed 02/27/06 (DIBIS-0035US)	
		Application Serial No: 10/418,514 Office Communication Mailed 03/27/07 (DIBIS-0035US)	
		Application Serial No: 10/418,514 Office Communication Mailed 12/06/07 (DIBIS-0035US)	
		Application Serial No: 10/418,514 Office Communication Mailed 04/15/08 (DIBIS-0035US)	

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				<i>Application Number</i>	10/660,998
				<i>Filing Date</i>	9/12/2003
				<i>First Named Inventor</i>	David Ecker
				<i>Art Unit</i>	1637
				<i>Examiner Name</i>	Suryaprabha Chanduru
<i>Sheet</i>	15	of	25	<i>Attorney Docket Number</i>	DIBIS-0002US.P5

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Application Serial No: 11/059,776 Office Communication Mailed 01/19/07 (DIBIS-0052US)	
		Application Serial No: 11/059,776 Office Communication Mailed 05/29/07 (DIBIS-0052US)	
		Application Serial No: 11/060,135 Office Communication Mailed 12/21/06 (DIBIS-0057US1)	
		Application Serial No: 11/060,135 Office Communication Mailed 03/08/07 (DIBIS-0057US1)	
		Application Serial No: 11/060,135 Office Communication Mailed 07/24/07 (DIBIS-0057US1)	
		Application Serial No: 11/210,516 Office Communication Mailed 06/08/07 (DIBIS-0078US1)	
		Application Serial No: 11/210,516 Office Communication Mailed 10/19/07 (DIBIS-0078US1)	
		Application Serial No: 11/409,535 Office Communication Mailed 10/31/07 (DIBIS-0083US1)	
		BAHRMAND et al., "Polymerase chain reaction of bacterial genomes with single universal primer: application to distinguishing mycobacteria species" <i>Molecular and Cellular Probes</i> (1996) 10:117-122.	
		BAHRMAND et al., "Use of restriction enzyme analysis of amplified DNA coding for the hsp65 gene and polymerase chain reaction with universal primer for rapid differentiation of mycobacterium species in the clinical laboratory" <i>Scandinavian Journal of Infectious Diseases</i> (1998) 30:477-480.	
		BASTIA et al., "Organelle DNA analysis of Solanum and Brassica somatic hybrids by PCR with 'universal primers'." <i>Theoretical and Applied Genetics</i> (2001) 102:1265-1272.	
		BATEY et al., "Preparation of Isotopically Labeled Ribonucleotides for Multidimensional NMR Spectroscopy of RNA" <i>Nucleic Acids Research</i> (1992) 20:4515-4523	
		BLAST Search results (03/2006)	

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				<i>Examiner Name</i>	Suryaprabha Chanduru
Sheet	16	of	25	<i>Attorney Docket Number</i>	DIBIS-0002US.P5

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		BOIVIN-JAHNS et al., "Bacterial Diversity in a Deep-Subsurface Clay Environment" <i>Applied and Environmental Microbiology</i> (1996) 62:3405-3412.	
		BORROW et al., "SiaD PCR Elisa for confirmation and identification of serogroup Y and W135 meningococcal infections" <i>FEMS Microbiological Letters</i> (1998) 159:209-214.	
		BOWEN et al., "The native virulence plasmid combination affects the segregational stability of a theta-replicating shuttle vector in <i>bacillus anthracis</i> var, New Hampshire" <i>J. Appl. Microbiol.</i> (1999) 87:270-278.	
		CARRACEDO et al., "DNA commission of the international society for forensic genetics: guidelines for mitochondrial DNA typing" <i>Forensic Science International</i> (2000) 110:79-85.	
		CASE et al., "Maternal inheritance of mitochondrial DNA polymorphisms in cultured human fibroblasts," <i>Somatic Cell Genetics</i> (1981) 7:103-108.	
		CESPEDES et al., "Polymerase chain reaction restriction fragment length polymorphism analysis of a short fragment of the cytochrome b gene for identification of flatfish species" <i>J. Food Protection</i> (1998) 61:1684-1685.	
		CHANG, P.-K. et al., "aflT, a MFS transporter-encoding gene located in the aflatoxin gene cluster, does not have a significant role in aflatoxin secretion," <i>Fungal Genet. Biol.</i> (2004) 41:911-920.	
		CHEN et al., "Universal primers for amplification of mitochondrial small subunit ribosomal RNA-encoding gene in scleractinian corals" <i>Marine Biotechnology</i> (2000) 2:146-153.	
		CHEN, N. et al., "The genomic sequence of ectromelia virus, the causative agent of mousepox," <i>Virology</i> (2003) 317:165-186.	
		CHO et al., "Application of the ribonuclease P (RNase P) RNA gene sequence for phylogenetic analysis of the gene <i>Saccharomonospora</i> " <i>International Journal of Systematic Bacteriology</i> (1998) 48:1223-1230.	
		CORNEL et al., "Polymerase chain reaction species diagnostic assay for <i>Anopheles quadrimaculatus</i> cryptic species (Diptera: Culicidae) based on ribosomal DNA ITS2 sequences" <i>Journal of Medical Entomology</i> (1996) 33:109-116.	
		CRAIN et al., "Applications of mass spectrometry of the characterization of oligonucleotides and nucleic acids" <i>Curr. Opin. Biotechnol.</i> (1998) 9:25-34.	
		DEFORCE et al., "Analysis of oligonucleotides by ESI-MS" <i>Advances in Chromatography</i> (2000) 40:539-566.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/660,998
				Filing Date	9/12/2003
				First Named Inventor	David Ecker
				Art Unit	1637
				Examiner Name	Suryaprabha Chanduru
Sheet	17	of	25	Attorney Docket Number	DIBIS-0002US.P5

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		DINAUER et al., "Sequence-based typing of HLA class II DQB1" <i>Tissue Antigens</i> (2000) 55:364-368.	
		DUBERNET et al., "A PCR-based method for identification of Lactobacilli at the genus level" <i>FEMS Microbiology Letters</i> (2002) 214:271-275.	
		ELNIFRO et al., "PCR and Restriction Endonuclease Analysis for Rapid Identification of Adenovirus Subgenera" <i>Journal of Clinical Microbiology</i> (2000) 38:2055-2061.	
		EMBL Accession No. S90302, Human, Muscle, Mitochondrial Mutant, 22 nt, segment 2 of 2 (XP002436791) 11/26/1993.	
		ESMANS et al., "Liquid Chromatography-Mass Spectrometry in Nucleoside, nucleotide and modified nucleotide characterization" <i>J. of Chromatography A</i> (1998) 794:109-127.	
		European Search Report for 02709785.6 dated 10/10/2005	
		FIGUEIREDO et al., "Identification of Brazilian flaviviruses by a simplified reverse transcription-polymerase chain reaction method using Flavivirus universal primers" <i>American Journal of Tropical Medicine and Hygiene</i> (1998) 59:357-362.	
		FOX et al., "Identification and Detection of Bacteria: Electrospray MS-MS Versus Derivatization/GC-MS" <i>Proceedings of the ERDEC Scientific Conference on Chemical and Biological Defense Research</i> (1994) 39-44.	
		FRASER et al., "The Minimal Gene Complement of Mycoplasma Genitalium" <i>Science</i> (1995) 270:397-403.	
		FUERSTENAU et al., "Molecular Weight Determination of Megadalton DNA Electrospray Ions Using Charge Detection Time-of-flight Mass Spectrometry" <i>Rapid Comm. Mass Spec.</i> (1995) 9:1528-1538	
		FUJIOKA et al., "Analysis of enterovirus genotypes using single-strand conformation polymorphisms of polymerase chain reaction products" <i>J. Virol. Meth.</i> (1995) 51:253-258.	
		GABRIEL et al., "Improved mtDNA sequence analysis of forensic remains using a "mini-primer set" amplification strategy" <i>Journal of Forensic Sciences</i> (2001) 46:247-253.	
		GINTHER et al., "Identifying individuals by sequencing mitochondrial DNA from teeth," <i>Nature Genetics</i> (1992) 2:135-138.	

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		GILES et al., "Maternal inheritance of human mitochondrial DNA," <i>PNAS</i> (1980) 77:6715-6719.	
		GOTO et al., "Applications of the partial 16S rDNA sequence as an index for rapid identification of species in the genus <i>Bacillus</i> " <i>J. Gen. Appl. Microbiol.</i> (2000) 46:1-8.	
		GREENBERG et al., "Intraspecific nucleotide sequence variability surrounding the origin of replication in human mitochondrial DNA," <i>Gene</i> (1983) 21:33-49.	
		GRIFFIN et al., "Single-nucleotide polymorphism analysis by MALDI-TOF mass spectrometry" <i>Trends in Biotechnology</i> (2000) 18:77-84	
		GRZYBOWSKI "Extremely high levels of human mitochondrial DNA heteroplasmy in single hair roots" <i>Electrophoresis</i> (2000) 21:548-553.	
		HAHNER et al., "Analysis of short tandem repeat polymorphisms by electrospray ion trap mass spectrometry" <i>Nucleic Acids Research</i> (2000) 28:E82.	
		HANNIS et al., "Genotyping complex short tandem repeats using electrospray ionization Fourier transform ion cyclotron resonance multistage mass spectrometry" <i>Proceedings of SPIE - The International Society for Optical Engineering</i> (2000) 3926:36-47.	
		HAUGLAND et al., "Identification of putative sequence specific PCR primers for detection of the toxigenic fungal species <i>Stachybotrys chartarum</i> " <i>Mol. Cell. Probes</i> (1998) 12:387-396.	
		HENCHAL et al., "Sensitivity and specificity of a universal primer set for the rapid diagnosis of dengue virus infections by polymerase chain reaction and nucleic acid hybridization" <i>American Journal of Tropical Medicine and Hygiene</i> (1991) 45:418-428.	
		HERRMANN et al., "Differentiation of <i>Chlamydia</i> spp. By Sequence Determination and Restriction Endonuclease Cleavage of RNase P RNA Genes" <i>J. Clin. Microbiol.</i> (1996) 34:1897-1902.	
		HIGGINS et al., "Competitive oligonucleotide single-base extension combined with mass spectrometric detection for mutation screening" <i>BioTechniques</i> (1997) 23:710-714.	
		HOLLAND et al., "Mitochondrial DNA Sequence Analysis of Human Skeletal Remains: Identification of Remains from the Vietnam War," <i>Journal of Forensic Sciences</i> (1993) 38:542-553.	
		HOLM et al., "Removing near-neighbour redundancy from large protein sequence collections" <i>Bioinformatics</i> (1998) 14:423-429.	

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		HONDA et al., "Universal method of hypersensitive nested PCR toward forensic DNA typing" <i>International Congress Series</i> (1998) 7:28-30.	
		HURST et al., "MALDI-TOF Analysis of Polymerase Chain Reaction Products from Methanotrophic Bacteria" <i>Anal. Chem.</i> (1998) 70:2693-2698.	
		HUTCHISON et al., "Maternal inheritance of mammalian mitochondrial DNA," <i>Nature</i> (1974) 251:536-538.	
		INGMAN et al., "Mitochondrial genome variation and the origin of modern humans" <i>Nature</i> (2000) 408:708-713.	
		International Search Report for PCT/US02/20336 dated 02/03/2003 (DIBIS-0003WO)	
		International Search Report for PCT/US03/38795 dated 04/19/2004 (DIBIS-0002WO2)	
		International Prelim. Exam. Report for PCT/US02/20336 dated 05/12/2004 (DIBIS-0003WO)	
		International Search Report for PCT/US03/38757 dated 06/24/2004 (DIBIS-0002WO4)	
		International Search Report for PCT/US03/38830 dated 08/25/2004 (DIBIS-0002WO3)	
		International Search Report for PCT/US03/38761 dated 12/30/2005 (DIBIS-0012WO)	
		International Search Report for PCT/US2004/011877 dated 04/20/2006 (DIBIS-0035WO)	
		International Search Report for PCT/US2005/000386 dated 05/09/2006 (DIBIS-0003WO2)	
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		JIANG et al., "Multiple Trait Analysis of Genetic Mapping for Quantitative Trait Loci Genetics" <i>Genetics</i> (1995) 140:1111-1127.	
		JIANG et al., "A highly efficient and automated method of purifying and desalting PCR products for analysis by electrospray ionization mass spectrometry." <i>Anal. Biochem.</i> (2003) 316:50-57.	
		JOHNSON et al., "Precise molecular weight determination of CPR products of the rRNA intergenic spacer region using electrospray quadrupole mass spectroemtry for differentiation of <i>B. subtilis</i> and <i>B. atrophaeus</i> , closely related species of bacilli" <i>Journal of Microbiological Methods</i> (2000) 40:241-254.	
		JURINKE et al., "Detection of hepatitis B virus DNA in serum samples via nested PCR and MALDI-TOF mass spectrometry" <i>Genetic Analysis: Biomolecular Engineering</i> (1996) 13:67-71.	
		KE et al., "Development of a PCR Assay for Rapid Detection of Enterococci" <i>Journal of Clinical Microbiology</i> (1999) 37:3497-3503.	
		KELLER et al., "Empirical Statistical Model To Estimate the Accuracy of Peptide Identifications Made by MS/MS and Database Search" <i>Anal. Chem</i> (2002) 74:5383-5392.	
		KILPATRICK et al., "Group-Specific Identification of Polioviruses by PCR Using Primer Containing Mixed-Base or Deoxyinosine Residues at Positions of Codon Degeneracy" <i>J. Clin. Microbiol.</i> (1996) 34:2990-2996.	
		KRAHMER et al., "Electrospray quadrupole mass spectrometry analysis of model oligonucleotides and polymerase chain reaction products: determination of base substitutions, nucleotide additions/deletions, and chemical modifications" <i>Anal. Chem.</i> (1999) 71:2893-2900.	
		KRAHMER et al., "MS for identification of single nucleotide polymorphisms and MS/MS for discrimination of isomeric PCR products" <i>Anal. Chem.</i> (2000) 72:4033-4040.	
		KUPKE et al., "Molecular Characterization of Lantibiotic-synthesizing Enzyme EpiD Reveals a Function for Bacterial Dfp Proteins i Coenzyme A Biosynthesis" <i>Journal of Biological Chemistry</i> (2000) 275:31838-31846.	
		LACROIX et al., "PCR-Based Technique for the Detection of Bacteria in Semen and Urine" <i>J. Microbiol. Meth.</i> (1996) 26:61-71.	
		LEBEDEV, Y. et al "Oligonucleotides containing 2-aminoadenine and 5-methycytosine are more effective as primers for PCR amplification than their nonmodified counterparts" <i>Genetic Analysis: Biomolecular Engineering</i> (1996) 13:15-21	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 21 of 25

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Attorney Docket Number	DIBIS-0002US.P5

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		LEIF et al., "Isolation and characterization of the proton-translocating NADH: ubiquinone oxidoreductase from <i>Escherichia coli</i> " <i>Eur. J. Biochem.</i> (1995) 230:538-548.	
		LEWERS et al., "Detection of Linked QTL for Soybean Brown Stem Rot Resistance in 'BSR 101' as Expressed in a Growth Chamber Environment" <i>Molecular Breeding</i> (1999) 5:33-42.	
		LI et al., "Single nucleotide polymorphism determination using primer extension and time of flight mass spectrometry" <i>Electrophoresis</i> (1999) 20:1258-1265.	
		LITTLE et al., "MALDI on a Chip: Analysis of Arrays of Low-Femtomole to Subfemtomole Quantities of Synthetic Oligonucleotides and DNA Diagnostic Products Dispensed by a Piezoelectric Pipet" <i>Analytical Chemistry</i> (1997) 69:4540-4546.	
		LIU et al., "An unusual gene arrangement for the putative chromosome replication origin and circadian expression of <i>dnaN</i> in <i>Synechococcus</i> sp. Strain PCC 7942" <i>Gene</i> (1996) 172:105-109.	
		LOAKES et al., "Nitroindoles as universal bases" <i>Nucleosides and Nucleotides</i> (1995) 14:1001-1003.	
		LOVE et al., "Cloning and sequence of the <i>groESL</i> heat-shock operon of <i>Pasteurella multocida</i> " <i>Gene</i> (1995) 166:179-180.	
		MAIWALD et al., "Characterization of contaminating DNA in Taq polymerase which occurs during amplification with a primer set for <i>Legionella</i> 5S ribosomal RNA" <i>Molecular and Cellular Probes</i> (1994) 8:11-14.	
		MARTEMYANOV et al., "Extremely Thermostable Elongation Factor G from <i>Aquifex aeolicus</i> : Cloning, Expression, Purification, and Characterization in a Heterologous Translation System" <i>Protein Expr. Purif.</i> (2000) 18:257-261.	
		MATRAY et al., "Synthesis and properties of RNA analogs - oligoribonucleotide N3'->P5' phosphoramidates" <i>Nucleic Acids Res</i> (1999) 3976-3985.	
		MCLAFFERTY et al., "Comparison of Algorithms and Databases for Matching Unknown Mass Spectra" <i>J. Am. Soc. Mass Spectrom.</i> (1998)	
		MESSMER et al., "Discrimination of <i>Streptococcus pneumoniae</i> from other upper respiratory tract streptococci by arbitrarily primed PCR" <i>Clinical Biochemistry</i> (1995) 28:567-572.	
		MILLER et al., "A compendium of human mitochondrial DNA control region: development of an international standard forensic database," <i>Croat Med. J.</i> (2001) 42:315-327.	

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				<i>Application Number</i>	10/660,998
				<i>Filing Date</i>	9/12/2003
				<i>First Named Inventor</i>	David Ecker
				<i>Art Unit</i>	1637
				<i>Examiner Name</i>	Suryaprabha Chanduru
Sheet	22	of	25	<i>Attorney Docket Number</i>	DIBIS-0002US.P5

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		MORSE et al., "Nucleotide Sequence of Part of the ropC Gene Encoding the B Subunit of DNA-Dependent RNA Polymerase from some Gram-Positive Bacteria and Comparative Amino Acid Sequence Analysis" <i>System Appl. Microbiol.</i> (1996) 19:150-157.	
		MUDDIMAN et al., "Application of secondary ion and matrix-assisted laser desorption-ionization time-of-flight mass spectrometry for the quantitative analysis of biological molecules" <i>Mass Spectrometry Reviews</i> (1995) 14:383-429.	
		MUDDIMAN et al., "Important aspects concerning the quantification of biomolecules by time-of-flight secondary-ion mass spectrometry" <i>Applied Spectroscopy</i> (1996) 50:161-166.	
		MUHAMMAD et al., "Electrospray ionization quadrupole time-of-flight mass spectrometry and quadrupole mass spectrometry for genotyping single nucleotide substitutions in intact polymerase chain reaction products in K-ras and p53" <i>Rapid Commun. Mass Spectrom.</i> (2002) 16:2278-2285.	
		MUSHEGIAN et al., "A minimal gene set for ceullular life derived by comparison of complete bacterial genomes" <i>Proc. Natl. Acad. Sci. USA</i> (1996) 93:10268-10273.	
		NAKAO et al., "Development of a Direct PCR Assay for Detection of the Diphtheria Toxin Gene" <i>J. Clin. Microbiol.</i> (1997) 35:1651-1655.	
		NAUMOV et al., "Discrimination of the Soil Yest Species Williopsis saturnus and Williopsis suaveolens by the Polymerase Chain Reaction with the Universal Primer N21" <i>Microbiology (Moscow)(Translation of Mikrobiologiya)</i> (2000) 69:229-233.	
		NILSSON et al., "Evaluation of mitochondrial DNA coding region assays for increased discrimination in forensic analysis" <i>Forensic Science International: Genetics</i> (2008) 2:1-8.	
		NISHIKAWA et al., "Reconstitution of active recombinant Shiga toxin (Stx)1 from recombinant Stx1-A and Stx1-B subunits independently produced by E. coli clones" <i>FEMS</i> (1999) 178:13-18.	
		NORDER et al., "Typing of Hepatitis B Virus Genomes by a Simplified Polymerase Chain Reaction" <i>J. Med. Virol.</i> (1990) 31:215-221.	
		PATERSON et al., "Fine Mapping of Quantitative Trait Loci Using Selected Overlapping Recombinant Chromosomes, in an Interspecies Cross of Tomato" <i>Genetics</i> (1990) 124:735-742.	
		RAAUM, R. L. et al., "Catarrhine primate divergence dates estimated from complete mitochondrial genomes: concordance with fossil and nuclear DNA evidence," <i>J. Hum. Evol.</i> (2005) 48:237-257.	
		REID et al., "Primary diagnosis of foot-and-mouth disease by reverse transcription polymerase chain reaction" <i>Journal of Virological Methods</i> (2000) 89:167-176.	

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				Filing Date	9/12/2003
				First Named Inventor	David Ecker
				Art Unit	1637
				Examiner Name	Suryaprabha Chanduru
Sheet	23	of	25	Attorney Docket Number	DIBIS-0002US.P5

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		REILLY et al., "Design and use of 16S ribosomal DNA-directed primers in competitive PCRs to enumerate proteolytic bacteria in the rumen" <i>Microb. Ecol.</i> (2002) 43:259-270.	
		ROSS et al., "Analysis of DNA fragments from conventional and microfabricated PCR devices using delayed extraction MALDI-TOF mass spectrometry" <i>Anal. Chem.</i> (1998) 70:2067-2073.	
		SALA et al., "Ambiguous base pairing of the purine analogue 1-(20deoxy-B-D-ribofuranosyl)-imidazole-4-carboxamide during PCR" <i>Nucl. Acids Res.</i> (1996) 24:3302-3306.	
		SAUER et al., "A novel procedure for efficient genotyping of single nucleotide polymorphisms" <i>Nucleic Acids Research</i> (2000) 28:E13.	
		SCHENA M. "Genome analysis with gene expression microarrays" <i>Bioessays</i> (1996) 18:427-431	
		SCHRAM et al., "Mass Spectrometry of Nucleic Acid Components" <i>Biomedical Applications of Mass Spectrometry</i> (1990) 34:203-280.	
		SCHULTZ et al., "Polymerase chain reaction products analyzed by charge detection mass spectrometry" <i>Rapid Communications in Mass Spectrometry</i> (1999) 13:15-20.	
		SENKO et al., "Determination of Monoisotopic Masses and Ion Populations for Large Biomolecules from Resolved Isotopic Distributions," <i>J. Am. Soc. Mass Spectrom.</i> (1995) 6:229.	
		SESHARDI et al., "Differential Expression of Translational Elements by Life Cycle Variants of <i>Coxiella burnetii</i> " <i>Infect. Immun.</i> (1999) 67:6026-6033.	
		SHAVER et al., "Variation in 16S-23S rRNA intergenic spacer regions among <i>Bacillus subtilis</i> 168 isolates" <i>Molecular Microbiology</i> (2001) 42:101-109.	
		STONEKING et al., "Population variation of human mtDNA control region sequences detected by enzymatic amplification and sequence-specific oligonucleotide probes," <i>American Journal of Human Genetics</i> (1991) 48:370-382.	
		TAKAHASHI et al., "Characterization of gryA, gryB, grlA and grlB mutations in fluoroquinolone-resistant clinical isolates of <i>Staphylococcus aureus</i> " <i>J. Antimicrob. Chemother</i> (1998) 41:49-57.	
		TAKEUCHI et al., "Serotyping of Adenoviruses on Conjunctival Scrapings by PCR and Sequence Analysis" <i>Journal of Clinical Microbiology</i> (1999) 37:1839-1845.	

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		TONG et al., "Ligation reaction specificities of an NAD ⁺ -dependent DNA ligase from the hyperthermophile <i>Aquifex aeolicus</i> " <i>Nucleic Acids Res</i> (2000) 28:1447-1454.	
		VAN AERSCHOT et al., "In search of acyclic analogues as universal nucleosides in degenerate probes" <i>Nucleosides and Nucleotides</i> (1995) 14:1053-1056.	
		VAN BAAR et al., "Characterization of Bacteria by Matrix Assisted Laser Desorption/Ionization and Electrospray Mass Spectrometry" <i>FEMS Microbiol. Review</i> (2000) 24:195-219.	
		VAN CAMP et al., "Amplification and sequencing of variable regions in bacteria 23S ribosomal RNA genes with conserved primer sequences" <i>Current Microbiology</i> (1993) 27:147-151.	
		VAN DER VOSSSEN et al., "DNA based typing, identification and detection systems for food spoilage microorganisms: development and implementation" <i>Int. J. Food Microbiol.</i> (1996) 33:35-49.	
		VAN ERT et al., "Mass spectrometry provides accurate characterization of two genetic marker types in <i>Bacillus anthracis</i> " <i>Biotechniques</i> (2004) 37:642-651.	
		VANDERHALLEN et al., "Identification of Encephalomyocarditis Virus in Clinical Samples by Reverse Transcription-PCR Followed by Genetic Typing Using Sequence Analysis" <i>J. Clin. Microbiol.</i> (1998) 36:3463-3467.	
		WALTERS et al., "Genotyping single nucleotide polymorphisms using intact polymerase chain reaction products by electrospray quadrupole mass spectrometry" <i>Rapid Communications in Mass Spectrometry</i> (2001) 15:1752-1759.	
		WELHAM et al., "The Characterization of Micro-organisms by Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry" <i>Rapid Communications in Mass Spectrometry</i> (1998) 12:176-180.	
		WIDJOJOATMODJO et al., "Rapid Identification of Bacteria by PCR-Single-Strand Conformation Polymorphism" <i>Journal of Clinical Microbiology</i> (1994) 3002-3007.	
		WOLTER et al., "Negative Ion FAB Mass Spectrometric Analysis of Non-Charged Key Intermediates in Oligonucleotide Synthesis: Rapid Identification of Partially Protected Dinucleoside Monophosphates" <i>Biomed. Environ. Mass Spectrom.</i> (1987) 14:111-116.	
		WOO et al., "Identification of <i>Leptospira inada</i> by continuous monitoring of fluorescence during rapid cycle PCR" <i>Systematic and Applied Microbiology</i> (1998) 21:89-96.	
		WUNSCHERL et al., "Discrimination Among the <i>B. Cereus</i> Group, in Comparison to <i>B. Subtilis</i> , by Structural Carbohydrate Profiles and Ribosomal RNA Spacer Region PCR" <i>System. Appl. Microbiol.</i> (1994) 17:625-635.	

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		YAO et al., "Mass Spectrometry Based Proteolytic Mapping for Rapid Virus Detection" Anal. Chem. (2002) 74:2529-2534.	
		YASUI et al., "A specific oligonucleotide primer for the rapid detection of Lactobacillus lindneri by polymerase chain reaction" Can. J. Microbiol. (1997) 43:157-163.	
		ZENG et al., "Precision Mapping of Quantitative Trait Loci" Genetics (1994) 136:1457-1468.	
		Table listing related applications and office actions and rejections from those related applications	
		Unpublished U.S. Patent Application No. 10/318,463 filed 12/13/2002.	
		Unpublished U.S. Patent Application No. 11/233,630 filed 09/21/2005.	
		European Application No. EP 02709785.2 filed 9/12/2002, Isis Pharma	
		Chinese Application No. 1202204 filed 12/16/1998, Sequenom	

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